

SPE: T. Tran

**SPE RESPONSE FOR CERTIFICATE OF CORRECTION**

DATE : 7/6/04

Paper No.: \_\_\_\_\_

TO SPE OF : ART UNIT 2621

SUBJECT : Request for Certificate of Correction for Appl. No.: 09/405,577 Patent No.: 6993148

Please respond to this request for a certificate of correction within 7 days.

Please review the requested changes/corrections as shown in the COCIN document(s) in the IFW application image. No new matter should be introduced, nor should the scope or meaning of the claims be changed.

Please complete the response (see below) and forward the completed response to scanning using document code COCX.

Lamonte M. Newsome  
Certificates of Correction Branch  
703-308-9390 ext. 112

**Thank You For Your Assistance**

**The request for issuing the above-identified correction(s) is hereby:**

Note your decision on the appropriate box.

Approved

All changes apply.

Approved in Part

Specify below which changes do not apply.

Denied

State the reasons for denial below.

Comments: Please see the attached page for comments.

Matthew C. Bella

MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

SPE

Art Unit

1. Title page correction ("At Item (56)...Kurokid et al. should read -- Parker et al. --.) on page 1 of certificate of correction is not approved. See the front page of U.S. Patent 5,113,310. If at all, the correction should be made from "Kurokid et al." to "Kuroki et al."
2. Column 1 line 37 correction ("FIG." Should read -- FIGS. --) on page 1 of certificate of correction is not approved. Column 1 line 37 states "FIG. 2 or 4" which is correct.
3. Column 9 line 7 correction on page 1 of certificate of correction is not approved. This should refer to line 8 and not line 7.



US005113310A

**United States Patent [19]**

Kuroki et al.

[11] Patent Number: 5,113,310

[45] Date of Patent: May 12, 1992

## [54] DIELECTRIC FILTER

[75] Inventors: Hiroshi Kuroki; Yoshifumi Yamagata, both of Kagoshima; Youichi Yamashita, Shiga, all of Japan

[73] Assignee: Kyocera Corporation, Kyoto, Japan

[21] Appl. No.: 590,150

[22] Filed: Sep. 28, 1990

## [30] Foreign Application Priority Data

Sep. 30, 1989 [JP] Japan 1-115078[U]  
Sep. 30, 1989 [JP] Japan 1-115079[U]  
Dec. 28, 1989 [JP] Japan 1-153151[U]

[51] Int. Cl. 5 H01P 1/205; H01G 1/14; H01G 4/42; H01G 7/00

[52] U.S. Cl. 361/302; 333/202; 361/321; 29/25.42

[58] Field of Search 361/302, 321, 328, 329; 29/25.42; 333/302, 181

## [56] References Cited

## U.S. PATENT DOCUMENTS

4,144,509 3/1979 Boutros 361/302  
4,179,673 12/1979 Nishikawa et al. 333/204  
4,839,773 6/1989 Ishikawa et al. 361/321

## FOREIGN PATENT DOCUMENTS

0038996 11/1981 European Pat. Off. .  
0093956 11/1983 European Pat. Off. .  
0208424 1/1987 European Pat. Off. .  
61-292401 12/1986 Japan .  
24702 2/1988 Japan .  
WO83/00092 8/1983 PCT Int'l Appl. .

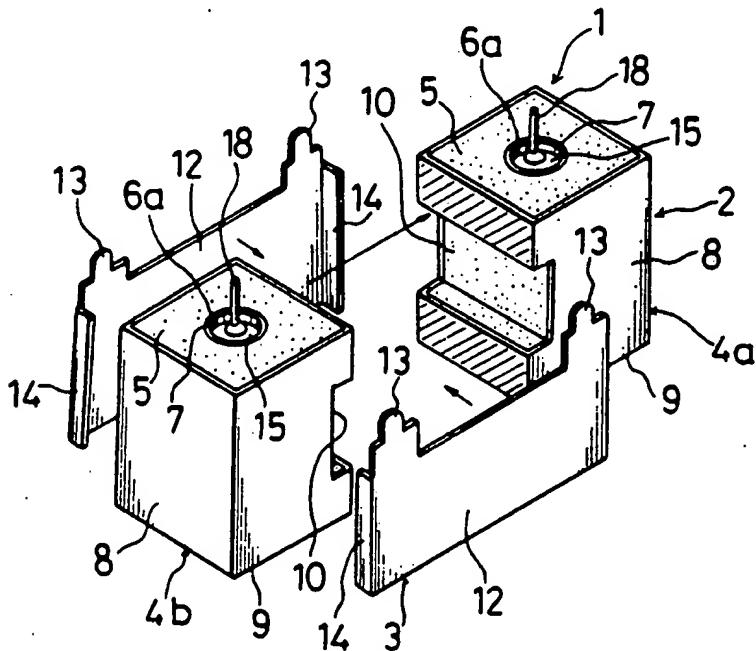
WO88/01104 2/1988 PCT Int'l Appl. .  
WO87/01210 2/1988 PCT Int'l Appl. .  
2109641 10/1982 United Kingdom .  
2163606A 2/1986 United Kingdom .  
2165098 4/1986 United Kingdom .  
2184608 6/1987 United Kingdom .  
2210225A 6/1989 United Kingdom .

Primary Examiner—Donald A. Griffin  
Attorney, Agent, or Firm—Spensley Horn Jubas & Lubitz

## [57] ABSTRACT

A dielectric filter comprises a first resonator and second resonator. Each of the resonators includes a dielectric block having a through-hole, an inner conductive layer placed on the inner surface of the through-hole, and an outer conductive layer placed on the outer surface of the dielectric blocks. The first and second resonators have a coupled hole extending transversely to the through-holes in portions of the resonator couples adjacent to each other. The dielectric filter may further include a frame made of a pair of metal plates covering said coupling hole. The pair of metal plates have legs for earthing and are affixed to the filter body, whereupon the metal plates are located, apart from each other. A method for producing a dielectric filter comprises the steps of making a filter body by connecting a first resonator and second resonator; providing a pair of lead frames incorporating a plurality of metal plates; disposing said filter body between said metal plates of the pair of lead frames; and fixing the metal plates to opposite sides of the filter body.

34 Claims, 5 Drawing Sheets



UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 1 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE

At Item (56), U.S. Patent Documents, "Kurokid et al." should read --Parker et al.--.

COLUMN 1

Line 31, "shown as" should read --as shown--. ✓

Line 37, "FIG." should read --FIGS--. ?

COLUMN 5

Line 18, "frequency-band-components" should read --frequency band components--. ✓

COLUMN 7

Line 5, "be" should read --the--. ✓

Line 19, "+i" should read --i--. ✓

COLUMN 8

Line 9, "values x and y" should read --values x and y--. ✓

Line 36, "bit" should read --bit--. ?

COLUMN 9

Line 7, "all-positions" should read --all positions--. ✓

18

MAILING ADDRESS OF SENDER:

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PATENT NO. : 6,993,148 B1

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Page 2 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 14

Line 36, "set  $I_2$ " should read --set  $I_1$ --. ✓

COLUMN 17

Line 29, "(a'-b')" should read --(a'<sub>1</sub>-b'<sub>1</sub>)--. ✓

COLUMN 18

Line 16, "including-the" should read --including the--. ✓

COLUMN 19

Line 17, "large-size" should read --large size--. ✓

COLUMN 20

Line 4, "obtaining" should read --obtained--. ✓

Line 27, " $P_{g1}$ " should read -- $P_{g1+1}$ --. ✓

COLUMN 21

Line 26, "y" should read --by--. ✓

COLUMN 23

Line 22, "divided" should read --divided by--. ✓

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PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 3 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 24

Line 13, "addition;" should read --addition,--. ✓  
Line 25, "Means)" should read --Means]--. ✓  
Line 40, "(num)" should read --[num]--. ✓  
Line 55, ")" should be deleted. ✓

COLUMN 25

Line 67, "assigned." should read --assigned).--. ✓

COLUMN 28

Line 41, "wI" should read --wI',--. ✓  
Line 42, "wI" should read --wI',--. ✓

COLUMN 29

Line 10, "example" should read --examples--. ✓  
Line 33, "32" should read --32c<sup>2</sup>--. ✓  
Line 66, "32<sup>2</sup>" should read --32c<sup>2</sup>--. ✓

COLUMN 31

Line 17, "using-the" should read --using the--. ✓  
Line 38, "22," should read --22--. ✓

COLUMN 37

Line 56, "value a" should read --value  $\alpha$ --. ✓

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PATENT NO. : 6,993,148 B1

DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 4 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

## COLUMN 38

Line 6, "Inf" should read --Inf<sub>2</sub>--.

Line 8, "signal:" should read --signal--.

## COLUMN 39

Line 16, "information" should read --information;--.

Line 29, "por-" should read --posi- --.

Line 38, "information" should read --information;--.

Line 54, "information" should read --information;--.

Line 56, "an" should read --and--.

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DATED : January 31, 2006

INVENTOR(S) : Tomoyuki Miyashita, et al.

Page 5 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 40

Line 4, "information" should read --information;--.

Line 19, "information" should read --information;--.

Line 36, "information" should read --information;--.



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent of:

TOMOYUKI MIYASHITA, ET AL.

Appln. No.: 09/615,577

Filed: July 13, 2000

For: IMAGE PROCESSING APPARATUS  
AND METHOD, AND STORAGE MEDIUM

) : Examiner: Shervin Nakhjavan  
): Group Art Unit: 2621  
): Patent No.: 6,993,148 B1  
): Issued: January 31, 2006  
): June 23, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

*Certificate*  
*JUN 28 2006*  
*of Correction*

**Attention: CERTIFICATE OF CORRECTION BRANCH**

**REQUEST FOR CERTIFICATE OF CORRECTION  
UNDER RULES 322 AND 323**

Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form (Form PTO-1050), in duplicate, is enclosed.

06/26/2006 SZEWDIE1 00000005 6993148

01 FC:1011

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Accompanying this letter is a check for \$100.00 to cover the statutory fee for issuing a Certificate of Correction to correct errors of the patentees. Any deficiency should be charged, or any overpayment credited, to Deposit Account No. 06-1205. A duplicate of this paper is enclosed for this purpose.

Patentees' undersigned attorney may be reached by telephone in our Washington, D.C. office at (202) 530-1010. All correspondence should be directed to our address given below.

Respectfully submitted,

  
Daniel S. Glueck  
Daniel S. Glueck  
Attorney for Patentees  
Registration No. 37,838

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